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Serdang: Leading Green and Biomass City

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Jury Review

Sapura Mohamad & Norhalizah Hanifah

City of Sustainable Rendezvous

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INTRODUCTION

Subang Jaya Municipal Council (MPSJ) and its synergies partnered with, Universiti Putra Malaysia (UPM), move forward in their "green initiative" with the launch of Serdang Greentown in 2012. Serdang is developing into a Greentown in a way that affects the preservation and conservation of the environment. Serdang Greentown is also being marked as the first "Biomass Town in Malaysia". Biomass is a renewable energy source that can be used directly or converted into other energy products such as bio-fuel. The sources include biological material from living such as garbage, wood, waste, landfill gases and alcohol fuels.

The project is located at Sri Serdang consisting of Serdang commercial area, residential area and the UPM entrance from Serdang. The MPSJ-UPM initiative is creating a green community, improving the quality of life, and promoting a sustainable township for Serdang residents. A proper Master Plan site planning for Serdang Green Town project is necessary to promote its sustainability.

BACKGROUND

The course has two objectives. Firstly, to solve design problems at medium-scaled sites through the application of proper site planning and design process. Secondly, to solve complex site planning problems focusing at institutional areas, public parks or resorts.

A site visit was carried out at the Sri Serdang where the students visited the site and produced inventory and analysis plans as a group effort, followed by the synthesis plan, idea and conceptual plan. A Master Plan was proposed in groups and later detailed area plans for selected area were designed by individual students.

DESIGN SOLUTION

Two artefacts were selected as case studies under this topic.

a. City of Sustainable Rendezvous

The design emphasises of evoking and culturing the pervading spirit of the place 'The Spirit of Green Sustainable City'. The concept of 'City of Sustainable Rendezvous' puts emphasis on the union of Serdang with its local cultures, community and socialised it within the nature conservation.

b. Livable Serdang Green Town

The design ingeniously plays with flux of movements and interconnect Tasik Sri Serdang to others places. The concept of 'Green Connection Network' reveals the quality of human life through sustainable landscape design. The design emphasizes a linkage to the UPM's entrance gate and the UPM's Bird Sanctuary.

DISCUSSION / FUTURE STUDY

Altogether, students have shown great efforts and aptitude to design and present their ideas for a green town concept. Majority students understood how a well-designed and planned green town could provide sustainability environment. The design of spaces such as open public areas, linkages from UPM to Sri Serdang, community area offer liveable spaces for the Serdang residents. On the other hand, the understanding of related theories of sustainable site planning such as conservation, preservation, and biomass town should be fully understood in order to appreciate the users and spatial articulation. These concepts of sustainable city are applied in the Serdang site planning throughout the project.

Jury Review

Sapura Mohamad

The overall display of site and background information have been brief with adequate graphic representation. The issues and problems are well defined. The concept of sustainable city was fully explored and translated into the design scheme.

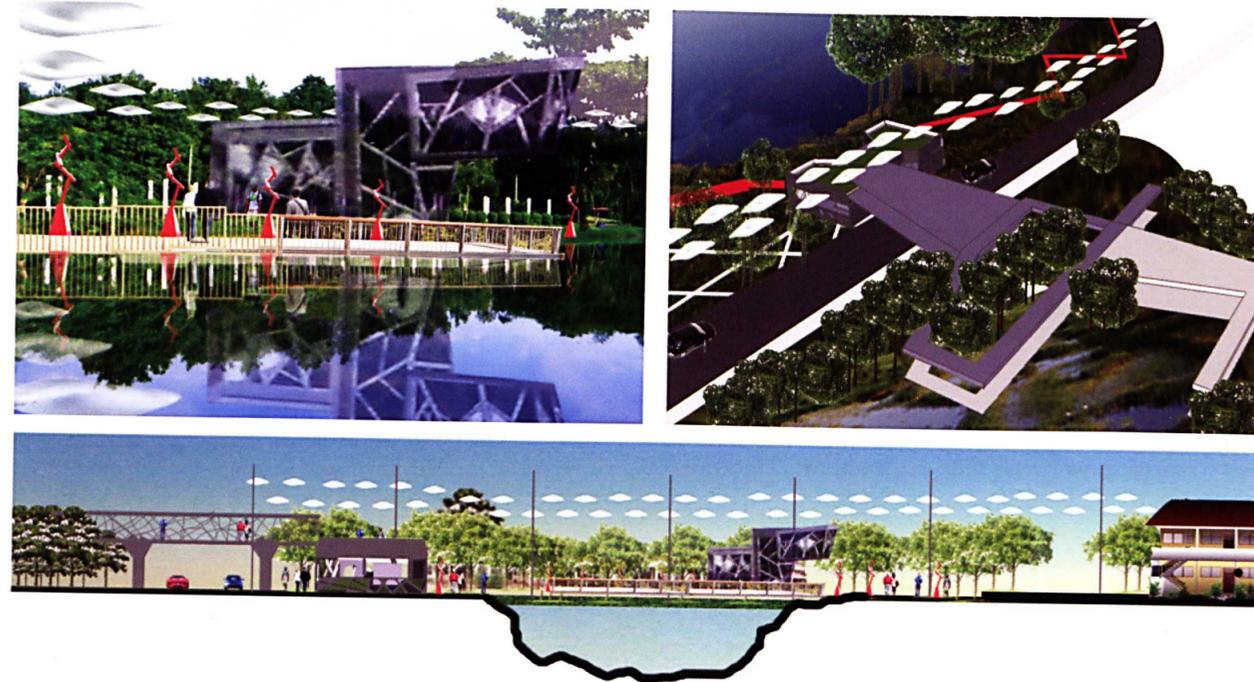
Norhalizah Hanifah

The proposed design for the 'City of Sustainable Rendezvous' is a city planning exercise. Information on vicinity and location plans could be provided to avoid the loss of orientation. Studies of nearby/ surrounding sites should also be included to show the overall process of landscape city planning exercise, and as well as to understand why certain needs and values need to be incorporated in the planning design. The concept can be strengthened and vitalized by showing and having green/landscape linkages from one space to another space within the city. Thumbs up to the students for such work done at early stage of their studies. More work yet to be exercise for such studies to make it a complete and thorough exercise.

City of Sustainable Rendezvous

Mohd Yazid Mohd. Yunos, Nor Atiah Ismail, Noorizan Mohamed & Mohd Kher Hussein

The proposal highlights the sustainable design of Serdang Green Town as a burgeoning town consisting of a diverse mix of Tasik Sri Serdang, Universiti Putra Malaysia and community area of Taman Sri Serdang. The design counts to evoke and nurture the pervading spirit of a Green Sustainable City. The concept of 'City of Sustainable Rendezvous' conceptualizes the union of Serdang with the local cultures, community and socialised it within the natural conservation. The strength of the design is stretches it bold ideas of installing sustainable components and elements such as vegetation and hard landscape. Thus, the students proposed in-depth ideas for promoting a healthy and sustainable lifestyle for the Serdang community. A good synthesis reveals that Serdang Green Town has an enormous potential to be developed as sustainable community area based on its current issues and history. Aspects concerning energy efficiency, therapeutic element, noise pollution, rainwater management and Biochar solution would be appreciated if provided in detail.

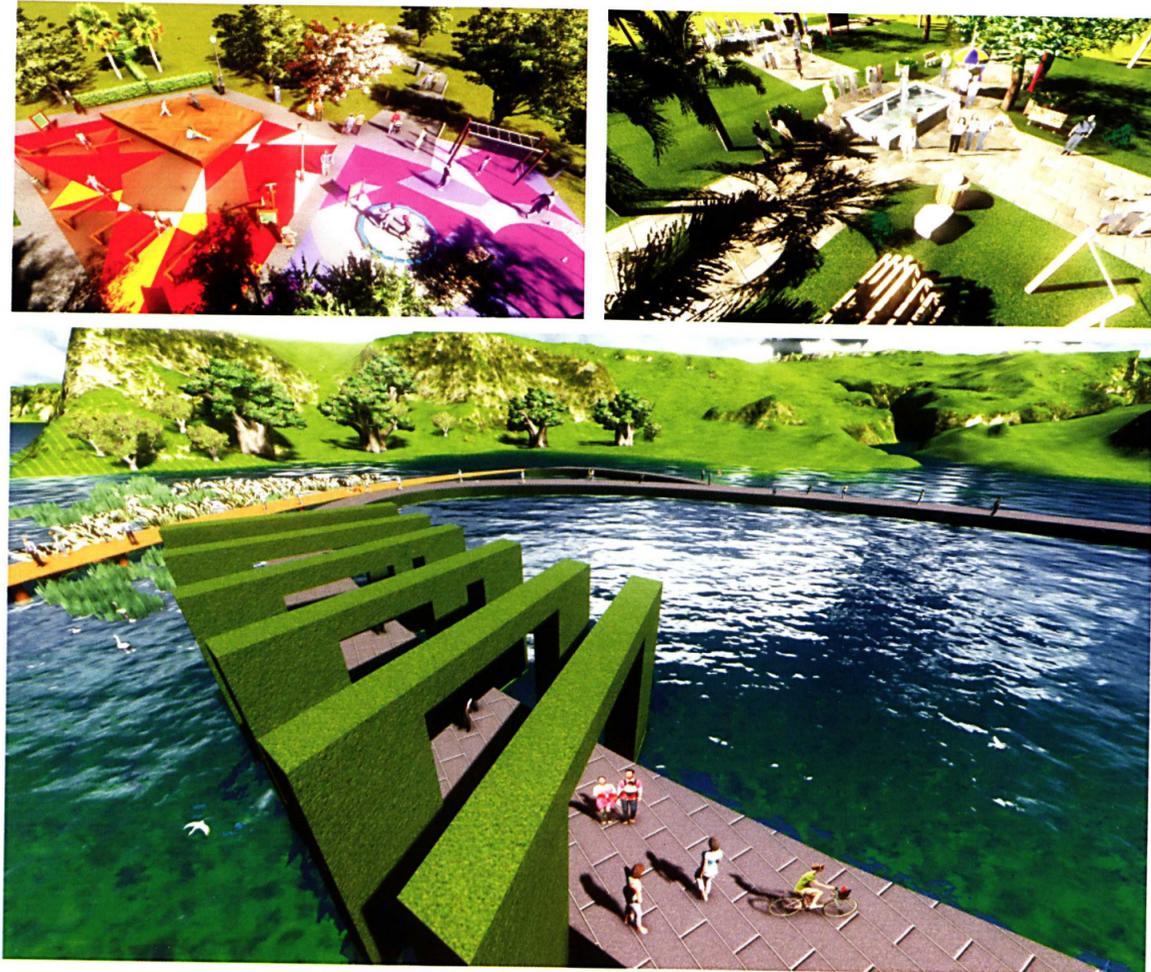


Iskandar Al-Khalifah Mohd Razali, Nur Afikah Idrus, Monalizza Mohd. Kassim, Nor Aishah Arazmi, Teh Koh Xin, Mohd. Hussairie Rosidi



Livable Serdang Green Town

Mohd Yazid Mohd Yunos, Noorizan Mohamed, Nor Atiah Ismail & Shureen Faris Abdul Shukor



This project explores the potential benefits of site planning for the Serdang Green Town. The aim is to rejuvenate the intervention of the Tasik Sri Serdang as heart of community area to connect UPM, Serdang commercial area and residential to become livable Serdang Green Town. The design ingeniously plays with flux of movements and interconnect Tasik Sri Serdang to others place. The concept of 'Green Connection Network' reveals the quality of human life through sustainable landscape design. Using 'Green Connection network', the project cleverly enhance and link the UPM Bird Sanctuary area located adjacent to the Tasik Serdang and at the same times, solves the barrier issue with UPM. The innovative design proposal aimed at the greening and pedestrianising an existing the Tasik Serdang freshens this area. On the whole, the design proposal undoubtedly communicates the concept and design details of the project. Conversely, the project would be improved by showing more detail designs, of pedestrian or elements that connect Tasik Serdang to other community areas.

DESIGN APPROACH

The design approach we are using bird nest as a reference. All these are inspired from the stork that appear around Tasik Seri serdang. We hope to see people in this area can see the place the live through these birds' eyes, and more concern about the sustainable environment.



Wong Lye Yan, Nur Hidayah Mohd. Khairi, Mohd. Khairul Fais Shahiran Muda, Siti Nur Fadhilah Saimi, Syihabuddin Abd. Rahim & Norfarhana Najihah Norrahmat